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# M&O Staffing Analysis

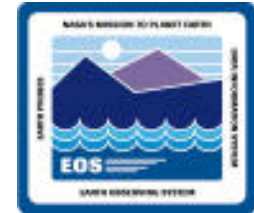
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**2 November 95**

# SCDO Release B IDR Staffing Analysis



**Staffing analysis performed after:**

- **Discussions with DAACs and ESDIS**
- **Review of Release A CDR design and operations concepts**
- **Review of Release B IDR design and operations concepts**

**Mission baseline IAW Change Order 2**

**Preliminary EBnet impact incorporated**

**Reduced hours of operations assumed for ASF, JPL, MSFC, NSIDC & ORNLX**

**Revised staffing levels have not been incorporated into the contract**

**Staffing assumes that all ECS M&O functions are performed by ECS Contractor's personnel**

# Areas of Future Staffing Analyses



**Computer system administration model**

**Hardware maintenance concept**

**Hard media ingest and distribution staffing**

**Reducing M&O staff as system matures**

**Working with DAACs, DAO & ESDIS on all organizations' staffing**

**Compare with staffing benchmarks from other data centers**

**Make use of Dr. Barkstrom's staffing model**

# ECS M&O to be Performed at Following Locations



Alaska SAR Facility DAAC ASF	Langley Research Center DAAC LaRC	System Monitoring and Coordination Center SMC (at GSFC)	EOS Operations Center EOC (at GSFC)
EROS Data Center DAAC EDC	Marshall Space Flight Center DAAC MSFC	Sustaining Engineering Organization SEO (at GSFC)	ECS Development Facility EDF (Landover)
Goddard Space Flight Center DAAC (incl DAO) GSFC	National Snow & Ice Data Center DAAC NSIDC		
Jet Propulsion Laboratory DAAC JPL			

## Notes:

- EOC M&O staffing covered at FOS Release A/B CDR
- M&O at EDF limited to development organization support
- The ECS Contractor Team does not provide M&O staffing at ORNL except a System Engineering Liaison

# DAAC ECS Staffing Changes

## Release A PDR/Release B IDR

(MM/M in Nov-99, 1 of 3)

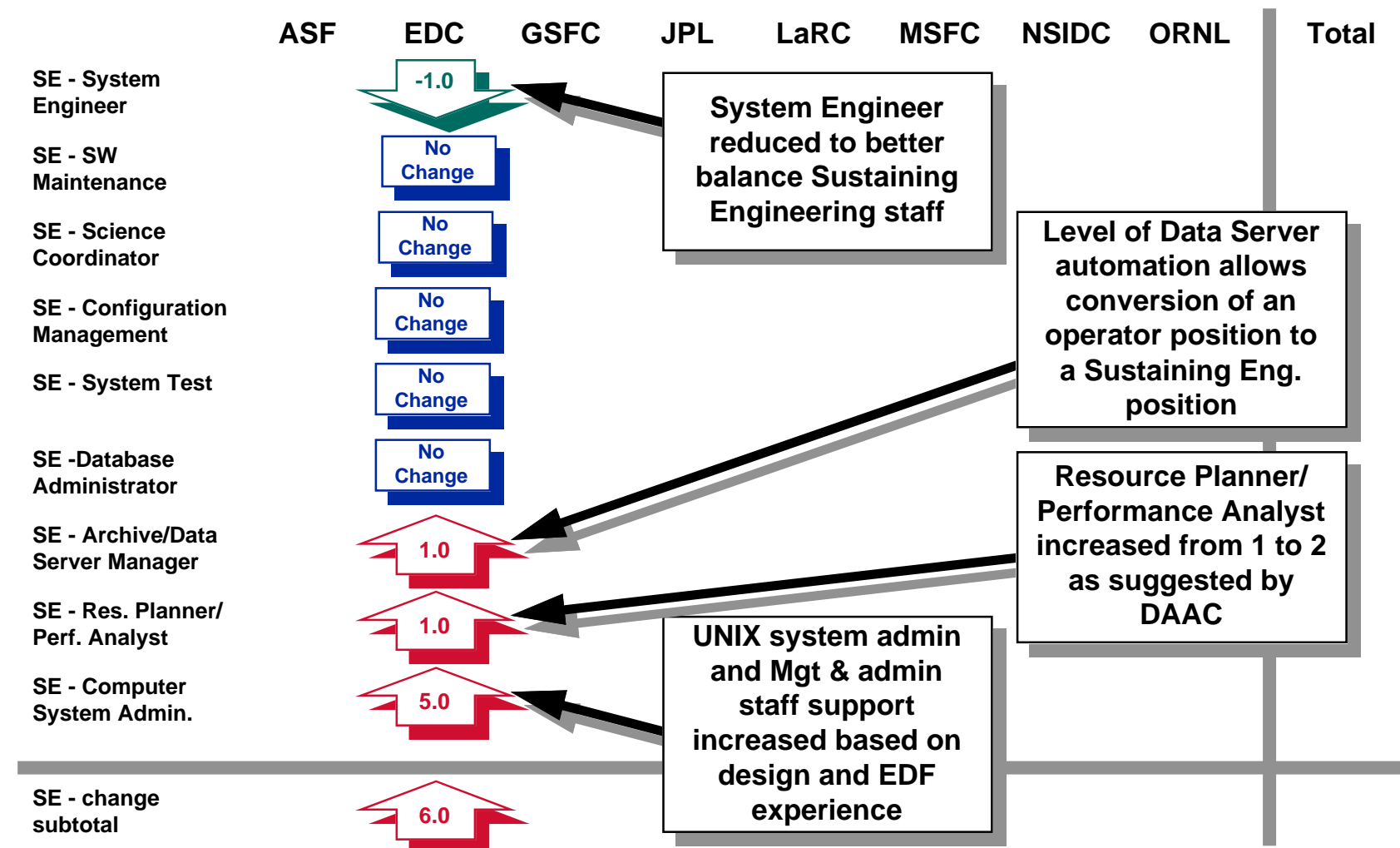


	ASF	EDC	GSFC	JPL	LaRC	MSFC	NSIDC	ORNL	Total
Mgt - Mgt & administration		No Change							
SSW - Science SW I&T Support		No Change							
US - User Services		No Change							
ILS - Property Mgt & HW Maintenance		No Change							
Mgt, SSW, US & ILS change subtotal		No Change							

# DAAC ECS Staffing Changes

## Release A PDR to Release B IDR

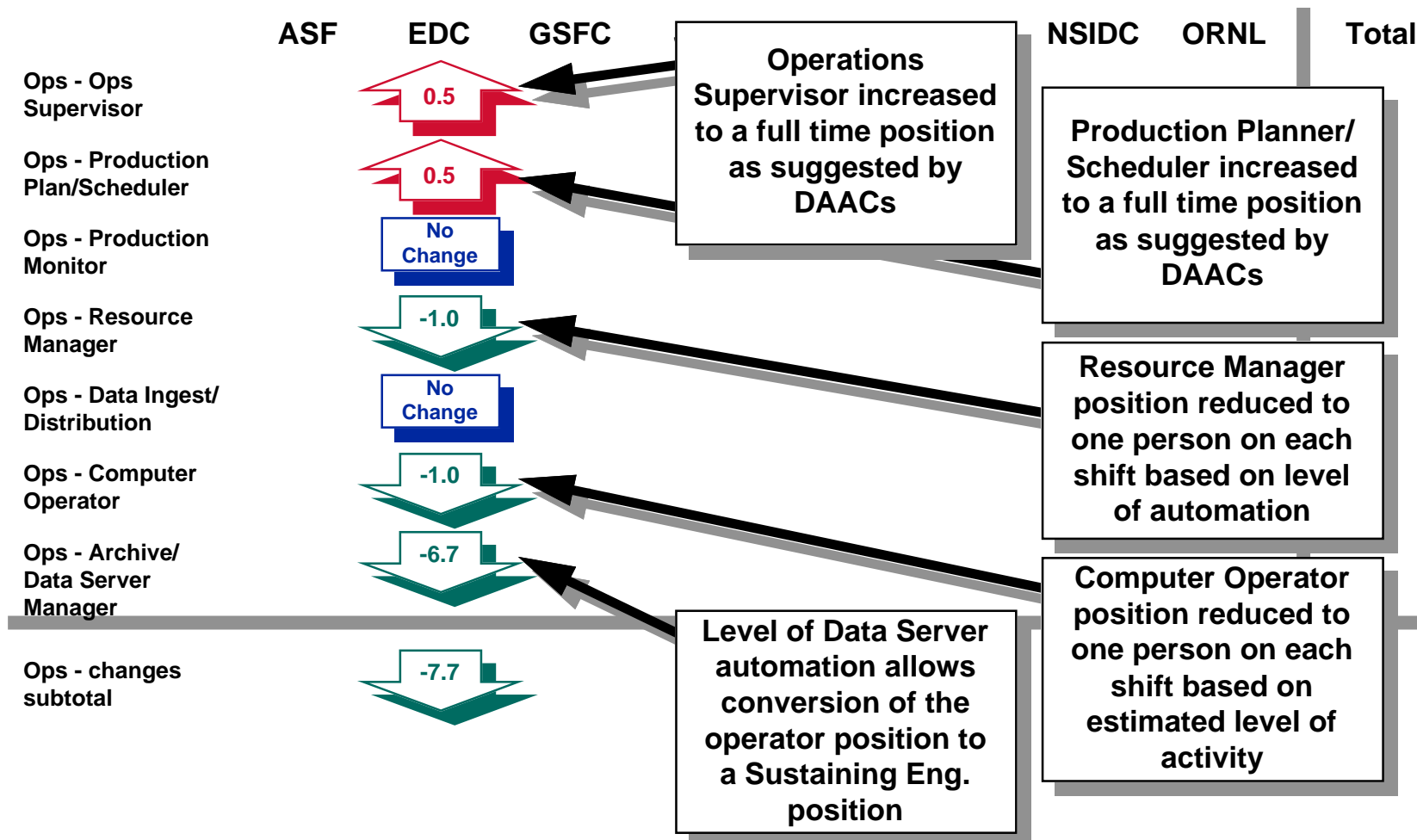
(MM/M in Nov-99, 2 of 3)



# DAAC ECS Staffing Changes

## Release A PDR/Release B IDR

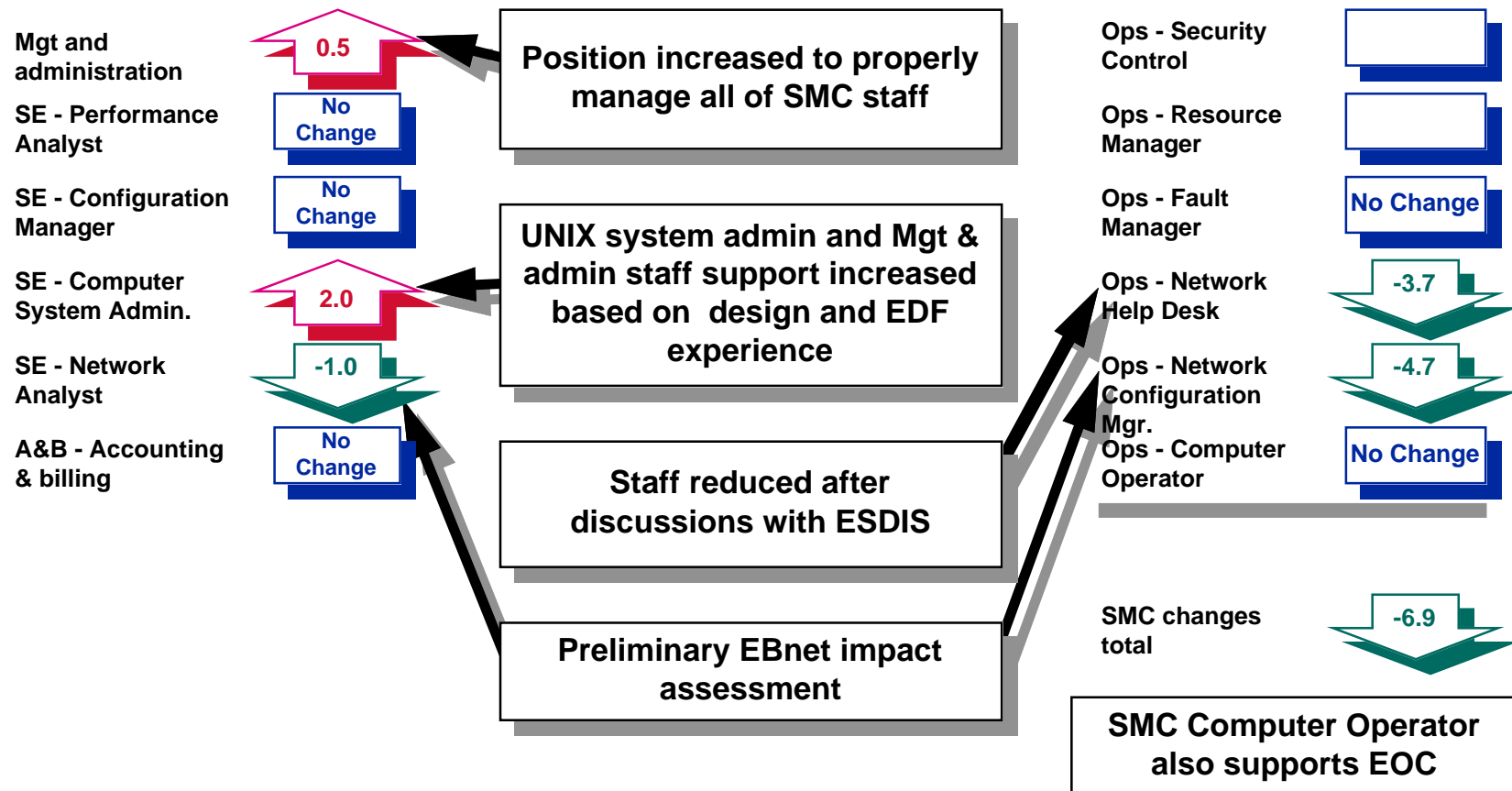
(MM/M in Nov-99, 3 of 3)



# SMC ECS Staffing Comparison

## Release A PDR/Release B IDR

(MM/M in Nov-99)

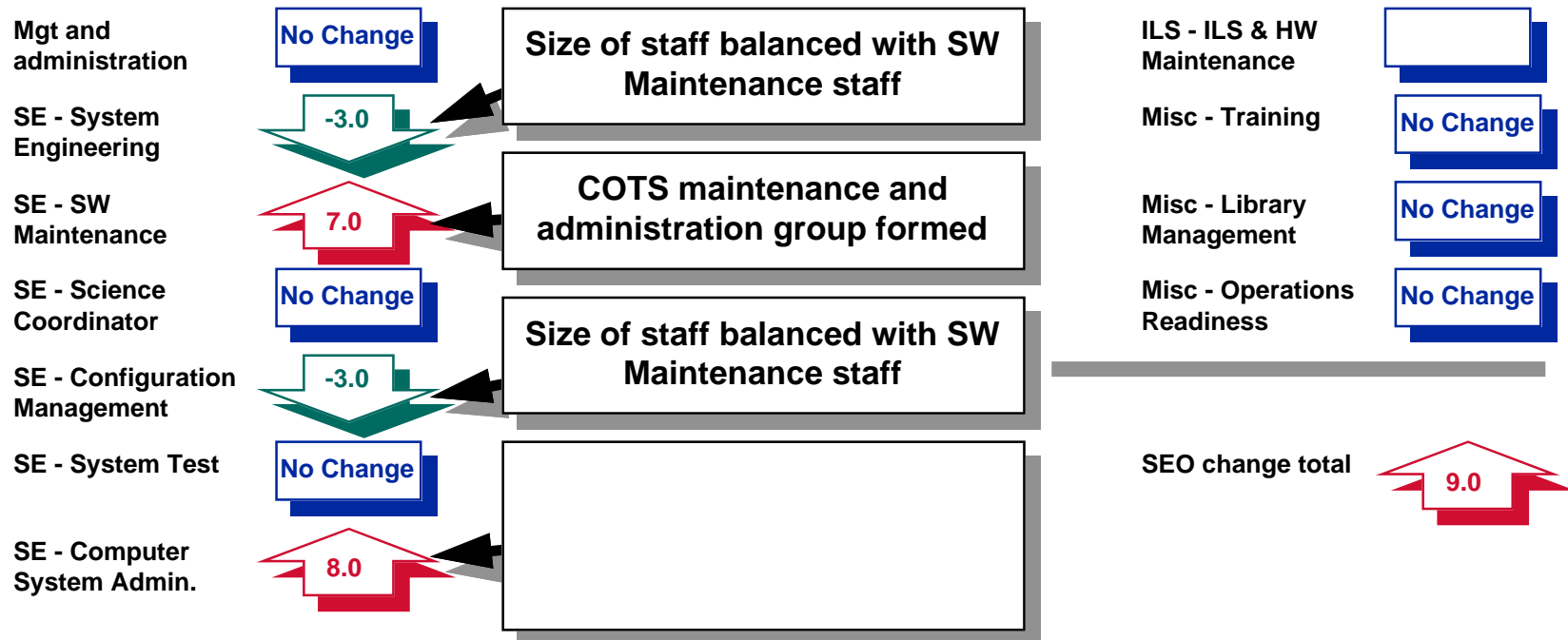




# SEO ECS Staffing Comparison

## Release A PDR/Release B IDR

(MM/M in Nov-99)

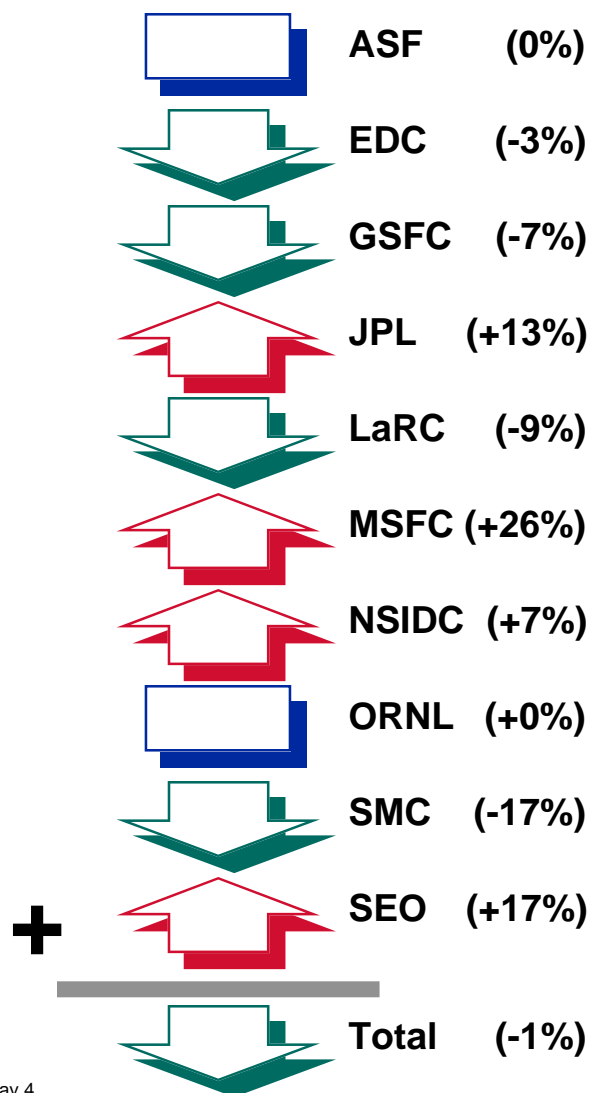


SEO includes system wide ILS, and HW maintenance for SMC & EOC.

# ECS M&O Staffing Changes

## Release A PDR/Release B IDR

(MM/M in Nov-99)



**M&O Contract  
start to IDR total  
change (-21%)**

**Note: See backup slides for  
additional information on  
each DAAC, the SMC & SEO**